

Claims:

1. A liquid storage bag wherein a flexible bag main body is provided with a liquid supply port and a cartridge case is placed in an apparatus main unit with said liquid storage bag housed in the cartridge case, whereby liquid in the bag main body is supplied through the liquid supply port to a liquid ejection head of the apparatus main unit, characterized in that storage means for storing data concerning liquid is provided in a part of the bag main body, that an interface section for making it possible to transfer data between a data transfer section placed in a part of the cartridge case or the apparatus main unit and the storage means is provided in a part of the bag main body, and that position correction means capable of correcting the position of the interface section to establish data transfer through the interface section with the bag main body housed in the cartridge case is provided.
2. The liquid storage bag as claimed in claim 1 wherein the position correction means has a structure wherein an attachment member formed with the interface section is attached to a part of the bag main body and can be displaced relatively to the bag main body.
3. The liquid storage bag as claimed in claim 2 wherein the attachment member is provided with a positioning part for setting the relative position between the cartridge case and the attachment member as the positioning part engages a part

of the cartridge case.

4. The liquid storage bag as claimed in claim 1 wherein the interface section is placed in the proximity of an end part of the bag main body.

5. The liquid storage bag as claimed in claim 1 wherein the interface section is placed in a hermetical seal superposition portion of the sheet material forming the bag main body.

6. The liquid storage bag as claimed in claim 1 wherein the interface section is placed in the proximity of the liquid supply port.

7. The liquid storage bag as claimed in claim 3 wherein the attachment member includes a first attachment member formed with the interface section and provided with the positioning part and a second attachment member passing through a through hole made in the hermetical seal superposition portion of the bag main body for attaching the first attachment member to the hermetical seal superposition portion and the thickness of a passage member of the second attachment member passing through the through hole is set smaller than the size of the through hole.

8. The liquid storage bag as claimed in claim 1 wherein the interface section comprises a contact for making it possible to transfer data to and from the data transfer section by electric conduction.

9. The liquid storage bag as claimed in claim 1 wherein the

interface section makes it possible to transfer data to and from the data transfer section in a noncontact manner.

10. A liquid ejection apparatus comprising a liquid storage bag wherein a bag main body made of a flexible sheet material is provided with a liquid supply port and a cartridge case is placed in an apparatus main unit with said liquid storage bag housed in the cartridge case, whereby liquid in the bag main body is supplied through the liquid supply port to a liquid ejection head of the apparatus main unit, characterized in that storage means for storing data of the liquid type, the ink storage capacity, the liquid consumption amount, etc., is provided in a part of the bag main body, that an interface section for making it possible to transfer data between a data transfer section placed in a part of the cartridge case or the apparatus main unit and the storage means is attached to a part of the bag main body, and that position correction means capable of correcting the position of the interface section to establish data transfer through the interface section with the bag main body housed in the cartridge case is provided between the interface section and the bag main body, and that the liquid supplied from the liquid storage bag is ejected from the liquid ejection head.

11. The liquid ejection apparatus as claimed in claim 10 wherein a press member for maintaining the positioning state of the interface section and the data transfer section is provided.

12. The liquid ejection apparatus as claimed in claim 11 wherein the press member provides a press function in response to displacement when the cartridge case is placed in the apparatus main unit.

13. The liquid ejection apparatus as claimed in claim 10 wherein the data transfer section is placed in the cartridge case.

14. A liquid storage bag for use with an liquid ejection apparatus, comprising a flexible bag main body storing liquid, a liquid supply port communicating with the inside of the bag main body, and storage means being formed in the bag main body for storing information concerning liquid, characterized by position correction means capable of moving the position of an interface section, being connected to the storage means for transferring information to and from the liquid ejection apparatus, in a predetermined range relative to the bag main body.

15. The liquid storage bag as claimed in claim 14 wherein the interface section includes a plurality of connection electrodes.

16. The liquid storage bag as claimed in claim 14 wherein the interface section includes an antenna for conducting communications in a noncontact manner.

17. The liquid storage bag as claimed in claim 15 wherein an attachment member, implementing the position correction means, installs a circuit board, implementing the storage means,

formed with an electrode on the surface and provided with storage section on the back and is attached movably in a predetermined range relative to the bag main body.

18. The liquid storage bag as claimed in claim 17 wherein the attachment member is formed with a positioning part engaging a positioning member formed in a housing section for housing said liquid storage bag.